HP Version Control Repository Manager 7.2 User Guide

Acknowledgments

HP-UX Release 10.20 and later and HP-UX Release 11.00 and later (in both 32- and 64-bit configurations) on all HP 9000 computers are Open Group UNIX 95-branded products.

Intel and Itanium are registered trademarks of Intel Corporation in the US and other countries and are used under license.

Java is a registered trademark of Oracle and/or its affiliates.

Microsoft, Windows and Windows NT are registered trademarks of Microsoft Corporation in the United States of America and in other countries.

Warranty

HP will replace defective delivery media for a period of 90 days from the date of purchase. This warranty applies to all Insight Management products.

Contents

1 Product overview

The HP Version Control Repository Manager (HP VCRM) is a repository that stores the software and firmware components used to support ProLiant servers on Windows and Linux platforms. By default, the HP VCRM is installed on the HP Systems Insight Manager (HP SIM). However, you can specify a custom repository directory or install HP VCRM on a different server.

You can use the HP VCRM as a central point to define software baselines and to automate the installation and change management of HP software and firmware updates to production systems.

The HP VCRM catalogs system software and firmware that is stored where the HP VCRM is installed. The software and firmware can be manually downloaded from http://www.hp.com/servers/ swdrivers directly to the file system, or you can use the HP VCRM to automatically download software or manually upload software from any web client. Software is organized into groups by function and operating system. You can view detailed information about each piece of software by clicking the software component name. The HP VCRM also enables you to create customized groupings of software, which can then serve as a system software baseline for the entire managed environment or a subset of your environment.

NOTE: Although it is possible to install an HP Service Pack for ProLiant, or component to the local machine or component to the local machine using the HP VCRM, must use the HP Smart Update Manager or HP Remote Deployment Utility to install the software on remote servers unless the HP VCA has been installed on the remote server and the install is initiated using the HP VCA.

NOTE: Version Control Repository Manager is supported on virtual machines.

The HP VCRM permits:

- Viewing a custom software baseline - Viewing the contents in the repository, such as HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, custom software baseline, and components.
- Configuring auto update - Configuring Automatic Update to proactively deliver new ProLiant software from HP as it is made available.
- Uploading HP Service Pack for ProLiant - Uploading a support pack to the repository from a CD or other accessible media using the **Upload a HP Service Pack for ProLiant** feature.
- Creating a custom software baseline - creating custom software baseline using software components and software bundles available in Repository.
- Deleting items from the repository - Deleting Software bundles, Service Pack for ProLiant and components from repository.
- Copying items to another repository - Copying ProLiant and Integrity Support Packs and components to another repository.
- Configuring component - Configuring components in the repository that are flagged as requiring configuration.
- Updating repository immediately - Update from HP.com now.
- Rescanning repository - Rescanning the repository and rebuilding the catalog.
- Viewing the log - Viewing the log.
- Clearing the log - Clearing the log.
- Changing log settings - Configuring the log to automatically delete older entries, reducing maintenance activity for administrators.
- Installing selected components at the local (browser client) system.

- Multithreaded file download functionality: HP VCRM enables handling the client download requests using multiple threads. The default thread count is 5. Four threads handle four download requests, and one thread responds busy status to other download requests.
- Operating System selection screen to configure VCRM to download only Integrity Support Pack and Service Pack for ProLiant for the selected Operating systems.
- HP VCRM Command Line Interface: The HP VCRM CLI provides a Command Line Interface to interact with the installed VCRM for configuring the repository folder and initiating the auto download of HP Service Pack for ProLiant and Integrity Support Packs.

  Updating the repository - Configuring the repository settings and initiating the auto download of HP Service Pack for ProLiant using the HP VCRM Command Line Interface.

  - Displaying the current HP VCRM repository settings.

  - Selecting the operating systems to download HP Service Pack for ProLiant and Integrity Support Packs.

  - Changing the repository folder.

  - Initializing the autoupdate from the web.

  - Configuring automatic update for HP VCRM repository directory.

Additional resources

For additional resources, go to http://www.hp.com/servers/manage.

Related topics

Navigating the software

2 Getting started

To start using the HP Version Control Repository Manager (HP VCRM), use the following steps as a guideline for installing and configuring your machines properly:

The recommended installation for the HP VCRM is on a single system that has a reliable, high-performance network connection between it and all managed systems that have the Version Control Agent installed. If the Auto Update feature is being used, that system must have Internet access.

1. Verify that your system meets minimum requirements.
2. Install and configure the HP SMH. For more information regarding the HP System Management Homepage (HP SMH), refer to the *HP System Management Homepage Installation and Configuration Guide* at http://www.hp.com/go/insightmanagement/sim/docs.
3. Install and configure the HP VCRM on your selected system.
4. Install and configure the HP VCA on the target systems. Installing the HP VCRM before installing the HP VCA enables you to configure the HP VCA to use data in the repository specified by way of the **Change Settings** link in the HP VCA, a Replicate Agent Settings task in HP Systems Insight Manager (HP SIM), or preconfiguring the HP VCA component and installing the component with the preconfigured settings. For more information regarding installing the HP VCRM, refer to the http://www.hp.com/go/insightmanagement/sim/docs.
5. Browse to the HP SMH located at `https://<hostname>:2381` to log in.

Procedures

Logging in
Logging out

Related topics

Home
Log
Catalog

Logging in

Access the HP Version Control Repository Manager (HP VCRM) graphical user interface (GUI) from any network client using a web browser. For information about which browsers are supported, refer to the http://www.hp.com/go/insightmanagement/sim/docs.

To log in:

1. To access the HP VCRM with access to all available features, you must log in to the HP System Management Homepage (HP SMH) with **administrator** or **operator** level access.
2. To log in to the HP SMH:
   a. From the system where the HP VCRM is installed, navigate to `https://<VCRMSystem>:2381`. If the HP SMH is configured to allow anonymous access, click the **Login** link on the upper right corner of the page, otherwise you are immediately directed to the login page.
   b. Enter an account name and password that have the appropriate **operator** or **administrator** access level.
3. After you have logged in, you can browse directly to the HP VCRM by entering `https://<VCRMSystem>:2381` in the browser address field, or you can click the HP VCRM link from the HP SMH under in the **Version Control** status box on the **Home** tab. The **HP VCRM Home** page appears.

NOTE: In SMH 6.x and later, the Version Control (VCA and VCRM) agents links are available only under the **Version Control** status box on the **Home** tab and it opens in the same window. The Integrated Agents will be available in **Webapps** tab, but there is no link available for any agent.

Related topics

Getting started
Logging out

Logging out

Log out of the HP Version Control Repository Manager (HP VCRM) to prevent someone from accessing your active session if you walk away.

To log out of the GUI:

1. Click the *VCRMSystem* Home page link in the HP SMH page.
2. Click **Sign out** on the HP SMH page.
3. Close the Web browser.

Related topics

Logging in

About software repositories

The practice of updating HP Service Pack for ProLiant , and Components from a single or multiple repositories saves time and is key to standardizing software maintenance and update procedures on distributed systems.

NOTE: Default installation of an HP Version Control Repository Manager (HP VCRM) can manage only the repository that is located on the server on which HP VCRM is installed.

For maximum manageability and flexibility across operating system platforms, each repository that is created should be:

- Located on a local drive with write access
- Updated automatically by the HP VCRM
- Managed by HP VCRM

Related procedures

Configuring auto update
Creating a custom software baseline

Related topics

Home
Catalog
Log

Updating the repository

Configuring the repository using HP VCRM CLI

Configuring the repository using HP VCRM CLI

This section describes procedures that you can use to configure the repository using the HP VCRM CLI. The topics discussed in this section are:

- Displaying the current HP VCRM settings
- HP Service Pack for ProLiant, ProLiant and Integrity Support Packs.
- Changing the repository folder
- Initializing the update from the web
- Configuring automatic update for HP VCRM

Displaying the current HP VCRM settings

From the command prompt, enter the following command:

`vcrmcli.exe /show`

The command displays the current settings of the HP Version Control Repository Manager in XML format.

NOTE: HP VCRM is restarted while executing `vcrmcli.exe` file.

NOTE: The displayed XML output may contain Proxy server password.

Selecting the operating systems to download HP Service Pack for ProLiant

From the command prompt, enter the following command:

`vcrmcli.exe /os "OS version"`

The command configures the operating systems listed to download HP Service Pack for ProLiant.

Example:

`vcrmcli.exe /os "win2003x64,win2003x86,win2008x64"`

NOTE: Specify the values for the parameters in double quotation marks ("").

The command configures the operating systems list to download HP Service Pack for ProLiant as shown:

- win2003x64 downloads Bundles and Components for Windows Server 2003 x64 platform.
- win2003x86 downloads Bundles and Components for Windows Server 2003 x86 platform.
- win2008x64 downloads Bundles and Components for Windows Server 2008 x64 platform.
- win2008x86 downloads Bundles and Components for Windows Server 2008 x86 platform.
- win2008r2 downloads Bundles and Components for Windows Server 2008 x64 platform.
- win2012x64 downloads Bundles and Components for Windows Server 2012 x64 platform.
- rhel6 downloads Bundles and Components for Red Hat Enterprise Linux 6 server x86 platform.
- rhel6x64 downloads Bundles and Components for Red Hat Enterprise Linux 6 server AMD64/EM64T platforms.
- rhel5 downloads Bundles and Components for Red Hat Enterprise Linux 5 server x86 platform.
- rhel5x64 downloads Bundles and Components for Red Hat Enterprise Linux 5 server AMD64/EM64T platforms.
- rhel4 downloads Bundles and Components for Red Hat Enterprise Linux 4 server x86 platform.
- rhel4x64 downloads Bundles and Components for Red Hat Enterprise Linux 4 server AMD64/EM64T platforms.

NOTE: Executing the command `vcrmcli.exe /os` without any value displays all the supported operating system attributes.

NOTE: During automatic update, VCRM downloads bundles and components for the selected operating system along with the OS details obtained from the VCA system.

Changing the repository folder

From the command prompt, enter the following command:

`vcrmcli.exe /repository path`

The command configures the HP VCRM repository directory to the new location while retaining all of the other settings.

Example:

```
vcrmcli.exe /repository c:\new repository
```

The command configures the HP VCRM repository directory to c:\new repository.

NOTE: HP VCRM is restarted while executing `vcrmcli.exe` file.

NOTE: Specify the values for the parameters in double quotation marks ("").

Initializing the update from the web

From the command prompt, enter the following command:

```
vcrmcli.exe /updatenow
```

NOTE: HP VCRM is restarted while executing `vcrmcli.exe` file.

The command starts automatically updating the current HP VCRM repository directory from the web based on the current settings while retaining all of the other settings including the HP VCRM autoupdate schedule settings.

NOTE: If `/updatenow` command is entered with other options like `/repository`, `/autoupdate`, etc, VCRM CLI applies all the new settings and then start the update once.

Configuring automatic update for HP VCRM directory

From the command prompt, enter the following command:

```
vcrmcli.exe /autoupdate
/interval "Interval"
/dayofweek "Day of the week"
/time "Update Start time"
/proxyname "Proxy server name or IP address"
/proxyport "Proxy Port Number"
/proxyuser "Proxy User Name"
/proxypwd "Proxy Password"
```

NOTE: HP VCRM is restarted while executing `vcrmcli.exe` file.

The command configures the HP VCRM autoupdate schedule settings.

Example:

```
vcrmcli.exe /autoupdate /interval "7" /dayofweek "0" /time "22"
/proxyname "proxy.domain.com" /proxyport "1234"
```

NOTE: Specify the values for each of the parameters in double quotation marks ("").

where,

`/interval "7"` corresponds to one week (7 days, valid values: 1, 2, 7, 14, 28)

`/dayofweek "0"` corresponds to Sunday (0 is default, and is not used if the interval is less than 7. Valid values: 0, 1, 2, 3, 4, 5, 6)

`/time "22"` corresponds to 10PM (24–hour time format, valid values: 0 to 23)

`/proxyname proxy.domain.com` "proxy.domain.com" specifies the name or IPv4 of the proxy server to use for autodownload

`/proxyport 1234` "1234" specifies the port number for the given proxy name

`/proxyuser` specifies the user name for authenticating the proxy server

`/proxypwd` specifies the password for the given proxy user name

NOTE: If `/proxyuser` argument has a valid user name and `/proxypwd` is not used as argument, `vcrmcli.exe` prompts the user for a password during execution.

The command configures the autoupdate schedule settings to update the repository on Sunday 10 PM.

Populating a repository

This section describes procedures that you can use to populate the repository after you install VCRM. The topics discussed in this section are:

- Setting up the Repository Directory
- Initial Repository Population
- Configuring Automatic Update

HP VCRM Setup - Repository Directory

The **HP VCRM Setup - Repository Directory** dialog box enables you to specify the directory where HP software is located so the HP VCRM can monitor it. The default repository directory path is `%SystemDrive%\repository`. Also, if you are installing HP VCRM for the first time, you can choose to have the repository populated initially.

NOTE: If you are upgrading or reinstalling the HP VCRM, the **Perform an initial repository population** option is unavailable.

To change the repository directory:

1. Click **Browse**.
2. Select the directory where the HP software is to be stored. The path to the directory appears in the **Repository Directory** field.
3. Select **Perform an initial repository population** if you want to have the repository updated with HP Service Pack for ProLiant, ProLiant and Integrity Support Packs. (If **Perform an initial repository population** is deselected, or the option is not displayed, the **Automatic Update** wizard page appears next.)
4. Click **Next** to accept the selected directory. If you selected **Perform an initial repository population** on the previous dialog box, the **HP VCRM Setup - Initial Repository Configuration** dialog box appears.

   The **Automatic Update** dialog box enables you to schedule automatic updates for your repository from the HP website.

   Note: If you do not want to use the automatic update feature, see the "Updating the repository manually from the SmartStart CD" section to update the repository manually.

Repository Population - Initial Installation

1. Click **Add** to select a directory that contains a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs. The **Browse for Folder** dialog box appears.

2. Navigate to the directory that contains a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, and click **OK** or **Cancel** to abort the selection.

   All Support Packs found in the selected directory are added to the list shown in the **Initial Repository Configuration** dialog box. You can choose as many directories as you want, and then delete any Support Packs from the list you do not want to be copied.

3. Click **Next**. The **Download HP ProLiant and HP Integrity Support Packs for Operating System** page appears.

   Select the operating systems from the list. HP VCRM downloads the HP Service Pack for ProLiant and HP Integrity Support Packs for the selected operating systems.

4. Click **Next**. The **HP VCRM Setup - Automatic Update** dialog box appears.

Configuring automatic update for HP VCRM directory

The **Automatic Update** dialog box enables you to schedule automatic updates for your repository from the HP website.

NOTE: If you do not want to use the automatic update feature, refer to the Updating the repository manually from the SmartStart CD section to update the repository manually.

To configure an automatic update:

1. Select **Enable Automatic Update** to automatically download HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and components at a specific time.
2. In the **Interval between updates** field, select an interval from the dropdown menu.
3. In the **Day of Week** field, select a day of the week to update the repository from the dropdown menu to update the repository.
4. In the **Time of Day** field, select a time for the update to occur from the dropdown menu for the update to occur.
5. Use the **Set Proxy** option to configure a proxy server for HP VCRM.

   To set the proxy server:

   NOTE: VCRM supports Internet Protocol version 6 (IPv6) coexistence.

   a. Click **Set Proxy**. The **Proxy Server Settings** dialog box displays.
   b. In the **Server Name** field, enter the name of the proxy server. Clearing this field removes all proxy server settings, and the automatic update is performed without connecting through a proxy server.
   c. In the **Port** field, enter the proxy server port. For example, enter `8080`. If the **Server Name** field is blank, this value is ignored.
   d. In the **Server Login** field, enter a valid login for the proxy server. Leave this field blank if a server login is not required.
   e. In the **Password** field, enter a valid password for the login on the proxy server. If the **Server Login** field is blank, this field is ignored.
   f. Click **OK** to save your settings or **Cancel** to discard the settings.
6. Click **Finish** to save the HP VCRM settings.

   If **Automatic Update** is enabled and a proxy server is configured, the connection with the proxy server is verified before continuing. If the proxy server cannot be reached, a message appears **Unable to connect.**

7. The **HP Setup** wizard page appears, and the installation begins. When it completes, the result of the installation appears.

8. Click **Close**. The installation is complete.

   Note: You can install the HP VCRM during the Systems Insight Manager installation. Refer to the *Systems Insight Manager installation User Guide* for more details. Also remember, that in a network, HP VCRM must be installed on only one system, but the VCA must be installed on all servers.

NOTE: When you configure for automatic and periodic update of the repository from HP website, the HP VCRM initially downloads the ISO files and extracts them to a "temp" folder. It moves the missing components to the repository and starts downloading the individual components that are not available in the repository. VCRM tries to download files to the repository in both Active and Passive modes.

Updating the Repository

The automatic update feature of the HP Version Control Repository Manager (HP VCRM) is the preferred solution for updating repositories automatically. The automatic update feature of the HP VCRM keeps servers connected to HP for proactive delivery of the latest HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and components directly to a specified repository. You can configure the automatic population of the repository during the HP VCRM installation or after installation. In the event you cannot use the automatic update feature, you can populate the repository from the SmartStart CD or HP Service Pack for ProLiant ISO as indicated in the "Updating the repository manually from the SmartStart CD " section. If you must manually update the repository, for example, because you deleted a HP Service Pack for ProLiant from the repository and you later needed it, see the "Updating the repository manually from the SmartStart CD " section.

Uploading a HP Service Pack for ProLiant

With the **Upload a HP Service Pack for ProLiant** option, you can complete the following tasks:

- Browse for HP Service Pack for ProLiant, HP ProLiant and Integrity Support Packs on drives and CD that are accessible to your local system.
- Copy the available support packs into the Version Control Repository directory.

NOTE: For more information on uploading support packs, see the Uploading HP Service Pack for ProLiant section.

Updating from the Website

The **Update from hp.com Now** option enables you to update the repository from http://www.hp.com/servers/swdrivers website without having to wait for a scheduled update.

NOTE: To use the **Update Now** option, ensure that atleast one Version Control Agent (VCA) is pointing to the VC Repository Manager. For more information on updating repositories automatically, see the Updating repository immediately section.

Updating the repository manually from the SmartStart CD

When you are logged in locally at the system where the HP VCRM is installed, you can update the repository by performing a manual copy of files from the SmartStart CD to the repository directory on your local system.

To populate the repository manually with Service Pack for ProLiant from the SmartStart CD :
1. Insert the **SmartStart CD** in the CD-ROM drive.
2. From **Windows Explorer**, double-click the CD-ROM drive to open the SmartStart CD.
3. Click **Compaq** to open the directory.
4. From within the `Compaq` directory, click **CSP** to open the directory.

5. The CSP directory contains a Linux directory for Linux-related Support Packs and a Windows NT® directory that contains components, support packs, and XML files in a self-extractable executable called cpfiles.exe. Execute cpfiles.exe and provide the path for example, c:\temp to extract the files for each supported operating system. Click **Linux** or **extracted path** depending on the type of Support Packs with which you want to populate your repository.

6. After you have opened one of the directories, select all of the HP Service Pack for ProLiant files, click **Edit** from the Windows Explorer toolbar, and select **Copy**.

7. From Windows Explorer, navigate to the repository directory, for example, c:\repository. Click the repository directory.

8. From the **Microsoft Windows Explorer** toolbar, click **Edit** and select **Paste**. The Support Packs are copied into the c:\repository directory. The repository is now populated.

9. From the c:\repository directory, select a component. Right-click the component and select **Properties**. Note that the file is read-only. For the HP VCRM to allow component configuration, a component cannot be read-only. Deselect the read-only attribute and click **OK**.

When you are logged in locally at the system where the HP VCRM is installed, you can update the repository by performing a manual copy of files from the SmartStart CD to the repository directory on your local system.

To populate the repository manually with Service Pack for ProLiant from the SmartStart CD :

1. Insert the **SmartStart CD** in the CD-ROM drive.
2. From **Windows Explorer**, double-click the CD-ROM drive to open the SmartStart CD.
3. Click **Compaq** to open the directory.
4. From within the Compaq directory, click **CSP** to open the directory.
5. The CSP directory contains a Linux directory for Linux-related Support Packs and a Windows NT® directory that contains components, support packs, and XML files in a self-extractable executable called cpfiles.exe. Execute cpfiles.exe and provide the path for example, c:\temp to extract the files for each supported operating system. Click **Linux** or **extracted path** depending on the type of Support Packs with which you want to populate your repository.
6. After you have opened one of the directories, select all of the HP Service Pack for ProLiant files, click **Edit** from the Windows Explorer toolbar, and select **Copy**.
7. From Windows Explorer, navigate to the repository directory, for example, c:\repository. Click the repository directory.
8. From the **Microsoft Windows Explorer** toolbar, click **Edit** and select **Paste**. The Support Packs are copied into the c:\repository directory. The repository is now populated.
9. From the c:\repository directory, select a component. Right-click the component and select **Properties**. Note that the file is read-only. For the HP VCRM to allow component configuration, a component cannot be read-only. Deselect the read-only attribute and click **OK**.

When you are logged in locally at the system where the HP VCRM is installed, you can update the repository by performing a manual copy of files from the SmartStart CD to the repository directory on your local system.

To populate the repository manually with Service Pack for ProLiant from the SmartStart CD :

1. Insert the **SmartStart CD** in the CD-ROM drive.
2. From **Windows Explorer**, double-click the CD-ROM drive to open the SmartStart CD.
3. Click **Compaq** to open the directory.
4. From within the Compaq directory, click **CSP** to open the directory.
5. The CSP directory contains a Linux directory for Linux-related Support Packs and a Windows NT® directory that contains components, support packs, and XML files in a self-extractable executable called cpfiles.exe. Execute cpfiles.exe and provide the path for example,

c:\temp to extract the files for each supported operating system. Click **Linux** or **extracted path** depending on the type of Support Packs with which you want to populate your repository.

6. After you have opened one of the directories, select all of the HP Service Pack for ProLiant files, click **Edit** from the Windows Explorer toolbar, and select **Copy**.

7. From Windows Explorer, navigate to the repository directory, for example, c:\repository. Click the repository directory.

8. From the **Microsoft Windows Explorer** toolbar, click **Edit** and select **Paste**. The Support Packs are copied into the c:\repository directory. The repository is now populated.

9. From the c:\repository directory, select a component. Right-click the component and select **Properties**. Note that the file is read-only. For the HP VCRM to allow component configuration, a component cannot be read-only. Deselect the read-only attribute and click **OK**.

When you are logged in locally at the system where the HP VCRM is installed, you can update the repository by performing a manual copy of files from the SmartStart CD to the repository directory on your local system.

To populate the repository manually with Service Pack for ProLiant from the SmartStart CD :

1. Insert the **SmartStart CD** in the CD-ROM drive.

2. From **Windows Explorer**, double-click the CD-ROM drive to open the SmartStart CD.

3. Click **Compaq** to open the directory.

4. From within the Compaq directory, click **CSP** to open the directory.

5. The CSP directory contains a Linux directory for Linux-related Support Packs and a Windows NT® directory that contains components, support packs, and XML files in a self-extractable executable called cpfiles.exe. Execute cpfiles.exe and provide the path for example, c:\temp to extract the files for each supported operating system. Click **Linux** or **extracted path** depending on the type of Support Packs with which you want to populate your repository.

6. After you have opened one of the directories, select all of the HP Service Pack for ProLiant, click **Edit** from the Windows Explorer toolbar, and select **Copy**.

7. From Windows Explorer, navigate to the repository directory, for example, c:\repository. Click the repository directory.

8. From the **Microsoft Windows Explorer** toolbar, click **Edit** and select **Paste**. The Support Packs are copied into the c:\repository directory. The repository is now populated.

9. From the c:\repository directory, select a component. Right-click the component and select **Properties**. Note that the file is read-only. For the HP VCRM to allow component configuration, a component cannot be read-only. Deselect the read-only attribute and click **OK**.

Updating the repository manually with HP Service Pack for ProLiant ISO

When you are logged in locally at the system where the HP VCRM is installed, you can update the repository manually with HP Service Pack for ProLiant.

To Populate the repository manually with HP Service Pack for ProLiant :

- Copy or Move the ISO file into VCRM repository folder.

  VCRM will automatically add the software components from ISO into the repository.

Related topics

Copying items to another repository
Deleting items from the repository

3 Navigating the software

You can access the HP Version Control Repository Manager (HP VCRM) by navigating to `https://<VCRMSystem>:2381/vcrepository`, or you can access it from the **Version Control** status box on the HP System Management Homepage (HP SMH). The HP VCRM provides an interface that enables you to easily navigate through the HP SMH main pages:

- Home
- Catalog
- Reports
- Archive
- Log
- Help

Procedures

Configuring auto update
Creating a custom software baseline

About Version Control Repository Manager

About software repositories

Related topics

Logging in
Logging out

Configuring Internet Explorer settings

Configuring Internet Explorer to allow the Version Control Repository Manager Upload feature

Some features on the HP Version Control Repository Manager browser interface depend on browser settings at the client system used to access the HP VCRM. These security settings in Microsoft Internet Explorer must be set to use the **HP VCRM Upload** feature.

To configure the Internet Explorer to use the HP VCRM Upload feature:

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Under the **Security** option, select **Custom Level**. The **Security Settings** dialog box appears.
3. Under **ActiveX controls and plug-ins, Download signed ActiveX controls**, select **Enable**.
4. Under **Run ActiveX controls and plug-ins**, select **Enable**.
5. Under **Script ActiveX controls marked safe for scripting**, select **Enable**.

The advanced settings in Microsoft Internet Explorer must be set to ensure that saving a copy of the HP VCRM log functions when the log is cleared.

To configure the Microsoft Internet Explorer advanced settings:

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click the **Advanced** tab.
3. Scroll down to the **Security** section, and disable **Do not save encrypted pages to disk**.
4. Click **OK** to save your changes and close the **Internet Options** dialog box.

By default, Internet Explorer security settings block some actions performed by the HP VCRM. To correctly configure Internet Explorer security settings, HP recommends that you add the HP System Management Homepage (HP SMH) URL to Internet Explorer's Local Intranet.

To add the HP SMH to Internet Explorer's Local Intranet:

1. From Internet Explorer, click **Tools→Internet Options**.
2. Click the **Security** tab. The **Security** tab appears.
3. Select the **Local Intranet** icon.
4. Click **Sites…**. The **Local Intranet** dialog box appears.
5. In the **Add this Web site to the zone** field, enter `https://<hostname>:2381/` and click **Add**.
6. Click **OK** to save your changes and close the **Local Intranet** dialog box.
7. Click **OK** to close the **Internet Options** dialog box.

Configuring Internet Explorer firewall settings

Some operating systems, including Windows XP with Service Pack 2 and Windows Server 2003 SBS, implement a firewall that prevents browsers from accessing the ports required for the HP VCRM access. To resolve this issue, you must configure the firewall with exceptions to allow browsers to access the ports used by HP Systems Insight Manager and HP VCRM.

NOTE: For Windows XP with Service Pack 2, this configuration leaves the default SP2 security enhancements intact, but allows traffic over the ports. These ports are required for the HP VCRM to run. The secure and insecure ports must be added to enable proper communication with your browser.

To configure the firewall:

1. Select **Start→ Settings →Control Panel**.
2. Double-click **Windows Firewall** to configure the firewall settings.
3. Select **Exceptions**.
4. Click **Add Port**.

   You must enter the product name and the port number.

   Add the following exceptions to the firewall protection:

Product	Port Number
HP SMH Insecure Port:	2301
HP SMH Secure Port:	2381

5. Click **OK** to save your settings and close the **Add a Port** dialog box.
6. Click **OK** to save your settings and close the **Windows Firewall** dialog box.

Related topics

Home

Home

The HP Version Control Repository Manager Home page permits the following:

- Uploading HP Service Pack for ProLiant - Uploading a HP Service Pack for ProLiant

- Viewing a custom software baseline - Viewing the contents in the repository

- Creating a custom software baseline - Creating a custom software baseline

- Configuring auto update - Configuration of the Repository and automatic update settings

Overview of statistics

The **Statistics** section displays how many HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, Custom Software Baselines and component available in repository.

Overview of software baselines

The **Software Baselines** section lists all of the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs that the HP VCRM has cataloged in the repository. If a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs has a **Minor** status icon displayed with it, the ProLiant and Integrity Support Packs is invalid because one or more items listed in the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs was not found in the repository.

Note: You can access a full listing of all available HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and components by clicking the **Catalog** tab.

Procedures

Configuring auto update
Creating a custom software baseline

Related topics

Uploading HP Service Pack for ProLiant
Viewing a custom software baseline

Viewing a custom software baseline

You can view the details regarding a Custom Software Baseline, HP Service Pack for ProLiant, or component details.

NOTE: Document links can appear inside the details view, but these links will not work. The data displayed is specific to the http://www.hp.com website.

NOTE: You can view the component details from the **Home** page or the **Catalog** page.

Viewing Custom Software Baseline, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs details

You can view details regarding an HP Service Pack for ProLiant, ProLiant and Integrity Support Packs or component details.

To view Custom Software Baseline or HP Service Pack for ProLiant, or ProLiant and Integrity Support Packs details:

1. Click the **Home** tab. The **Home** page appears.
2. Click the link of the Custom Software Baseline, HP Service Pack for ProLiant, or ProLiant and Integrity Support Packs you want to view. The **HP Service Pack for ProLiant, ProLiant and Integrity Support Packs** details are displayed in a new browser window.
3. To view details about the components in the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs you are viewing, click any of the component links listed at the bottom of the **HP Service Pack for ProLiant, ProLiant and Integrity Support Packs** details page.

Viewing component details

To view component details:

1. Click the **Home** tab. The **Home** page appears.
2. Click the link associated with the component you want to view. The **Component Details** page appears if you are viewing details for an HP Service Pack for ProLiant, ProLiant and Integrity Support Packs .

Related topics

Configuring auto update

You can change the **Repository Directory** settings if you are logged in to the HP SMH with **operator** or **administrator** privileges. However, the maximum length of the path to the **Repository Directory** is 128 characters.

NOTE: Automatic update downloads software from HP based on the operating systems of HP Version Control Agent(HP VCA) that are configured to use this HP Version Control Repository Manager (HP VCRM) for status and software updates. If something is downloaded that does not apply to your environment, for example, certain ROM components, use the **Delete** feature of the HP VCRM to remove it from the system and catalog.

To configure the repository and automatic update settings:

NOTE: You can also configure the Automatic Update Settings using the Command Line Interface (CLI).

1. Click the **Home** tab. The **Home** page appears.
2. Click the **Change Repository and Update Settings** link. The **Repository Directory** page appears.
3. In the **Directory** field, to select a folder that contains HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, click **Browse** and select directories that contain HP Service Pack for ProLiant, ProLiant and Integrity Support Packs you wish to select. Ensure that the directory can be accessed with *read-write* privileges by the HP VCRM Win32 service. Click **Reset** to restore the original directory setting, or you can click **Cancel** to abort the change.

    Note: The directory path cannot contain the ampersand (&) character. If this character is used, the HP VCRM is unable to change the settings.

4. Click **Next**. The **Download HP ProLiant and HP Integrity Support Packs for Operating system** page appears.

    Select the operating systems from the list. HP VCRM downloads the HP Service Pack for ProLiant and HP Integrity Support Packs for the selected operating systems during the automatic update.
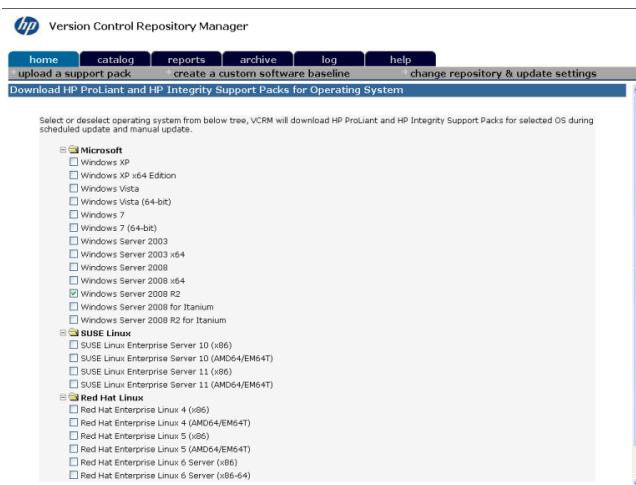
5. Click **Next**. The **Automatic Update Settings** page appears.

   a. Select the **Enable automatic downloading of new HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and components from Hewlett-Packard's website at a specified interval and time** option if you want the repository to automatically update.

   Note: If you select the option to automatically receive updates, the Download schedule settings enable you to configure the frequency and times that you want to automatically update.

   b. In the **Interval between updates** field, select how often you want to update automatically from the dropdown menu.

   c. In the **Day of Week** and **Time of Day** fields, select the day of the week that you want to automatically update from the dropdown menu, then in the next field, select the time you want to automatically update from the dropdown menu.

   Note: If you select one day or two days from the **Interval between updates** option, the **Day of Week** option is unavailable because the update happens daily, or every two days, from the day you made the selection.

   Note: If the HP VCRM service does not connect to the Internet through a proxy server, proceed to step 5.

   d. In the **Proxy** field, enter the proxy server name and click **Set Proxy Server**. The **Proxy Server Settings** dialog box appears.

   Note: The proxy settings enable you to set the name or IP address of a proxy server, the proxy port, login name, and password for the proxy server. To configure a proxy server, the server name must be entered, but the other fields can be left blank if appropriate. If you do not enter a server name, the other values are not saved.

   e. In the **Proxy Server Name** field, enter the name of the proxy server. Clear this field to remove all proxy server settings.

   f. In the **Port** field, enter the port address. This value is ignored if the **Server Name** is blank.

   g. In the **Proxy Server Login** field, enter a login name. You can leave this blank if the proxy does not require authentication.

   Note: If you are using an authenticating proxy server and have supplied a login user name in this field, you might need to configure the HP VCRM Windows (Win32) service to log on with a user account, instead of LocalSystem, which is the default.

   h. In the **Password** field, enter the password associated with the **Proxy Server Login** you just entered. This field is ignored if the **Login** field is blank.

   i. Click **OK**. Your new proxy settings are saved and you are returned to the **Automatic Update Settings** dialog box. Click **Cancel** to return to the **Automatic Update Settings** dialog

box, if you do not want to enter the proxy server settings. The configuration you specified appears in the wizard.

    j.   When the upload task completes, view the **Log** to confirm that all of the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and components were successfully uploaded to the HP VCRM.

6. Click **Reset** to return the settings back to the previous settings, **Back** to return to the previous page, or **Cancel** to abort the operation. If you have enabled the automatic update feature, the connection is tested at this time. If an error occurs, the settings are not saved, and you remain on the automatic update settings page to correct any errors.

7. Click **Finish**. Your changes are saved successfully. Click Close, and you are returned to the HP VCRM Homepage.

Related topics

Uploading HP Service Pack for ProLiant
Viewing a custom software baseline

Uploading HP Service Pack for ProLiant

This feature enables you to browse for HP Service Pack for ProLiant on drives and CDs accessible to your local system, and have those HP Service Pack for ProLiant, ProLiant and Integrity Support Packs copied into the Version Control Repository directory.

NOTE: You can install HP Service Pack for ProLiant from the HP SmartStart CD. Refer to Updating the repository to learn how to update the repository from the HP SmartStart CD or with HP Service Pack for ProLiant ISO.

NOTE: This feature is only supported on the Internet Explorer browser, and you must have configured your security settings to allow downloading and installing the **Version Control Upload (ActiveX) Control**.

NOTE: For information regarding Microsoft Internet Explorer Security Settings, refer to Configuring Internet Explorer settings.

NOTE: To Upload HP Service Pack for ProLiant using "Uploading support packs" option, HP Service Pack for ProLiant ISO files should be either be mounted, extracted, or burned into a DVD. To update the repository with ISO refer to Updating the repository.

To upload a HP Service Pack for ProLiant:

1. Click the **Home** tab. The **Home** page appears.

2. Click the **Upload a HP Service Pack for ProLiant** link. The **HP Service Pack for ProLiant** page appears.

    a.   To select a folder that contains HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, click **Browse** and select directories that contain HP Service Pack for ProLiant, ProLiant and Integrity Support Packs you would like to upload into the repository. The **Select HP Service Pack for ProLiant Folders** dialog box appears.

       Note: You might have to browse to subdirectories to find the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs for which you are searching.

    b.   A checkbox appears next to any folder containing the HP Service Pack for ProLiant. Select the folders to include the desired paths in the upload list. Click **OK**. The **Upload HP Service Pack for ProLiant** page appears.

       Note: When the Upload HP Service Pack for ProLiant, ProLiant and Integrity Support Packs page appears, a **Security Warning** dialog box might display alerting you that a component that has access to their file system is being installed on the system. If this **Security Warning** dialog box appears, click **Yes** to install the component. If you do not want to install the component, which is required to upload the HP Service Pack for ProLiant click **No**.

3. Verify that you want the selected HP Service Pack for ProLiant uploaded to the HP VCRM, and click **Upload** to begin copying the files to the HP VCRM's repository directory.

    Note: Before you click **Upload**, you can deselect any HP Service Pack for ProLiant, ProLiant and Integrity Support Packs shown to remove it from the list, and it will not be uploaded.

4. After clicking **Upload**, the **Upload Progress** section appears. The Current Task field, located in the Upload Progress section, refers to the file that is being uploaded. The Progress bar indicates the status of the file that is currently being uploaded. You can click **Cancel** to abort the upload process. If you click **Cancel**, a message appears asking you if you are sure you want to cancel the operation. Click **OK**, and the upload is canceled as soon as the current task is completed.

    Note: The Progress bar, located in the bottom of the browser window, indicates the status of the task currently being executed, while the one in the Upload Progress section shows the overall progress for all files being uploaded.

5. After the upload is complete, click **Close** to close the upload window and refresh the HP VCRM display.

    Note: The upload task is complete when the files have been transferred from the local system to the HP VCRM. For performance reasons, transferred files are queued for cataloging as a separate activity at the HP VCRM server, meaning that upon completion of the upload, not all of the files will immediately appear in the catalog, and uploaded HP Service Pack for ProLiant may be marked as invalid until all files have been cataloged, usually within a few minutes.

Related topics

Viewing a custom software baseline
Viewing recently added HP Service Pack for ProLiant
Configuring auto update

Creating a custom software baseline

The HP Version Control Repository Manager (HP VCRM) enables you to create Custom Software Baseline based on the selected software components or HP Service Pack for ProLiant.

NOTE: You can also create a support pack from the **Home** or **Catalog** page.

To create a Service Pack for ProLiant from the Home page:

1. Click the **Home** tab. The **Home** page appears.
2. Click the **Create a custom software baseline** link. The **Create a custom software baseline** page appears.

    Note: The **Create a custom software baseline** link is also available from the **Catalog** tab.

    a. In the **Operating System** field, select the appropriate operating system from the down menu.

    b. In the **Name** field, enter a name for the Software Baseline, for example, `ACME Reference Software Set for Database Servers`.

    c. In the **Version** field, enter the version for the Software Baseline, for example, `1.0.0`.

    d. In the **Languages** field, enter a list of languages for the Software Baseline, for example, `English`, `French`, or `German`.

        Note: if you plan to install or deploy this custom baseline with HP Remote Deployment Utility, you must enter the correct *English* language name of the language. For example, if you want the target system to use the Japanese language, enter `Japanese`. Entering just `English` with a leading capital **E** will allow the custom baseline to be deployed to any system with the HP Remote Deployment Utility.

    e. In the **Description** field, enter a description for the Software Baseline.

3. Click **Next**. Click **Reset** to clear you entries or **Cancel** to abort the wizard.
4. Select the desired components or HP Service Pack for ProLiant to be part of the HP Service Pack for ProLiant. Click **Next**. Click **Cancel** to abort the wizard, **Back** to return to the previous page, or **Reset** to clear the selections.
5. To modify the Service Pack for ProLiant contents:
   a. In the section that displays the contents, select the desired component, then click **Delete**, **Move up**, or **Move down**.
   b. Repeat step **5a** until all components are in the desired order.
      Note: Make sure the components are ordered correctly, so they will install. When ordering the components in a custom software baseline, HP recommends that they be ordered as follows: drivers first, then services, then utilities or agents.
6. Click **Finish**. The **Result** page appears indicating whether the Software Baseline was successfully created.
7. Click **Close**. The **Home** page refreshes, and a link to the new custom software baseline appears in the list.

Related topics

Viewing a custom software baseline
Uploading HP Service Pack for ProLiant
Configuring auto update

Catalog

The **Catalog** page displays all of the Software Baselines, HP Service Pack for ProLiant , and components (online and offline) stored in the repository. The bundles containing an offline component is denoted with a '*' mark, implying that the bundle contains an offline component. The contents are displayed in order by Operating system and Component functionality. You can use the Display option link to change the ordering of contents based on the Operating system, functionality, and the Release Date.

HP Service Pack for ProLiant (SPP) section displays the SPP stored in the repository.

NOTE: HP VCRM identifies and extracts only the SPP ISO files found in the repository folders. HP VCRM identifies the SPP bundle as normal software baselines when adding the files into the repository folders from the SPP ISO files.
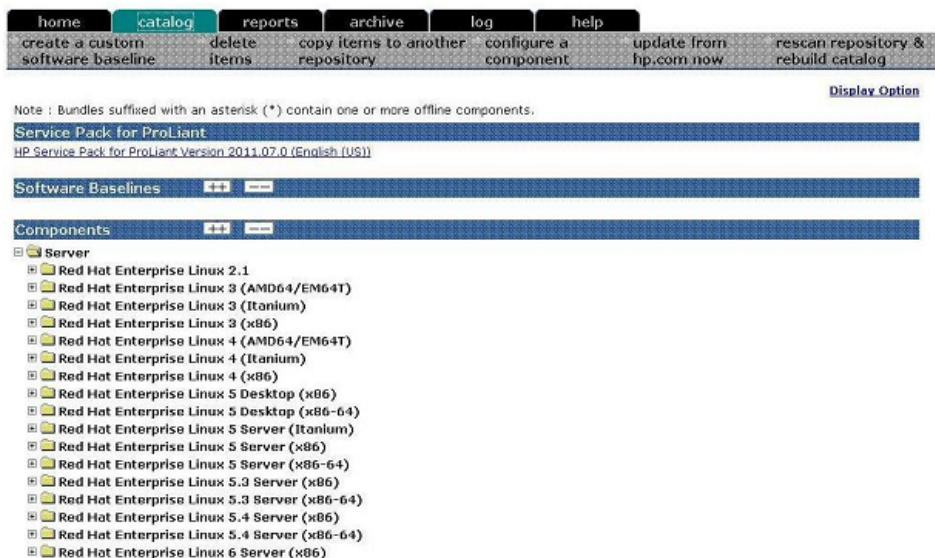
NOTE: HP Smart Update Manager (HP SUM) component will be available automatically to VCRM during an automatic update.

NOTE: Display option is available on main Catalog page, Create a custom software baseline page, Delete items page, and Copy items to another repository page.

The following tasks can be performed:

- Viewing specific custom software baseline - Viewing the contents in the repository
- Creating a custom software baseline - Creating a Custom Software Baseline.
- Deleting items from the repository - Deleting Items from the repository
- Copying items to another repository - Copying Items to another repository
- Configuring component - Configuring a Component
- Updating repository immediately - Update from hp.com now
- Rescanning repository - Rescanning the repository and rebuilding the catalog

Catalog icons

The following icons indicate various information regarding the Software Baselines.

Icon	Status
⊞	Closed/collapsed node.
⊟	Open/expanded node.
++	Open/expanded all.
——	Close/collapse all.
▭	Component item.
▼	Not configured. The component was never configured. You can configure the associated component by clicking this icon.
▼	Configured. The component is configured. By moving your mouse over this icon, the configuration date appears. You can reconfigure the associated component by clicking this icon.
▼	Disabled Configuration. Configuration is disabled because you are not logged in as Administrator or Operator.
▤	ProLiant and Integrity Support Packs item.
▣	Custom Software Baseline item.

Setting display options

The **Catalog** page enables you to set the display options.

To set the display option on the Catalog page, complete the following steps:

Setting the display option

1. Click **Display Option**, on the right of the Catalog page. The **Display Option** window opens.
2. The Display Option windows enables you to set the display option in the Main Group and the Sub Group fields.
3. Select the appropriate options in both Main Group and Sub Group.

> **NOTE:** The options under the Main Group and Sub Group are Operating System, Category, and Release Date.

> **NOTE:** The components are sorted based on the software key and the version under each Sub Group.

4. Click **Save** to save the option set or click **Cancel** to discard the options selected.

> **NOTE:** The default selection in the Main Group is Operating System, and the default selection in the Sub Group is Category.

> **NOTE:** The Catalog page display options also affect the Delete items Page, Create CSB page, and the Copy items page.

Related Topics

Catalog
Configuring component
Copying items to another repository
Deleting items from the repository
Rescanning repository

Viewing specific custom software baseline

The Software Baselines, displayed on the **Catalog** page, are grouped in the following order:

- Division
- Operating System
- Category

> **NOTE:** Document links can appear inside the details view, but these links will not work. The data displayed is specific to the http://www.hp.com website.

> **NOTE:** You can view the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs Details from the **Home** page or the **Catalog** page.

> **NOTE:** The Server division and Windows 2000 operating system items are displayed.

Viewing details for a specific custom software baseline, HP Service Pack for ProLiant, component

To view details for a specific custom software baseline, HP Service Pack for ProLiant or component:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the link associated with the custom software baseline, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, or component you want to view. The **HP Service Pack for ProLiant** page appears.

Related topics

Catalog
Configuring component
Copying items to another repository

Viewing recently added HP Service Pack for ProLiant

You can access the **HP Service Pack for ProLiant Details** page for log entries regarding added HP Service Pack for ProLiant.

To view added ProLiant and Integrity Support Packs details:

1. Click the **Log** tab. The **Log** page appears.
2. Locate the log entry for the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs about which you want to view details. Click the link provided at the end of the log entry. The **HP Service Pack for ProLiant, ProLiant and Integrity Support Packs Details** page appears.

Related topics

Viewing the log
Viewing log entry details
Uploading HP Service Pack for ProLiant

Viewing component details

You can access the **Component Details** page for log entries regarding added components.

To access component details:

1. Click the **Log** tab. The **Log** page appears.
2. Locate the log entry for the component about which you want to view details. Click the link provided at the end of the log entry. The **Component Details** page appears.

Related topics

Log
Changing log settings
Clearing the log

Configuring component

The **Catalog** page enables you to select a configurable component and modify the component in the repository of the HP Version Control Repository Manager (HP VCRM). This process can be initiated to preconfigure component settings before it is installed on a server using the HP Version Control Agent (HP VCA) with or without HP Systems Insight Manager (HP SIM).

NOTE: Only components for the Windows operating system currently support pre-configuration.

To configure a component:

1. Select the **Catalog** tab. The **Catalog** page appears.
2. Click the **Configure a Component** link. The **Component Preconfiguration** page appears.

    Note: You can also configure a component by clicking the **Never Configured** icon (red flag) on the **Catalog** page, which takes you to the **Setup** page of the component. Clicking the **Component is Configured** icon (green flag) enables you to reconfigure the component.

3. Select the component that you want to configure. Click **Next** or **Cancel** to abort the configuration operation. The **Setup** page for the component that you select appears.

    Note: Each configurable component has its own settings and configuration page. Follow the instructions for data entry on the specific page that appears.

4. After entering all configuration data, click **Save**. Your changes are saved and you are returned to the **Catalog** page. Click **Cancel** to abort the component configuration.

Related topics

Catalog

Copying items to another repository

The HP Version Control Repository Manager (HP VCRM) enables you to copy selected Custom Software Baseline, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, and components (online and offline) to another repository.

To copy desired Custom Software Baselines, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, or components from the **Catalog** page:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the **Copy Items to Another Repository** link. The **Copy Support Packs and Components** page appears.
3. Select the components and Support Packs you want to copy. Click **Reset** to clear the selected items or **Cancel** to abort the copy operation.
4. Click **Next**. The **Copy** page appears.
   a. In the **Name** field, enter the name of the repository to which the selected Support Packs and components are to be copied.
   b. In the **Login** field, enter the login account name for the HP SMH at that computer.
   c. In the **Password** field, enter the password for the account you entered.

   NOTE: Step 4.b and Step 4.c are the login for the HP SMH system where the HP VCRM is located.

   NOTE: The username and password fields are filled automatically, if you select "Remember username and password" options in the Browser.

   NOTE: Administrator login cannot be used to complete the copy operation. Use a user ID having SMH administrator privileges

5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the Copy request.
6. Click **Close**. The **Catalog** page is refreshed. The repository from which the component or HP Service Pack for ProLiant was copied, logs the success or failure of the copy operation.

Related topics

Catalog
Configuring component
Deleting items from the repository
Rescanning repository
Viewing specific custom software baseline

Copying VCRM settings and migrating the data to another repository
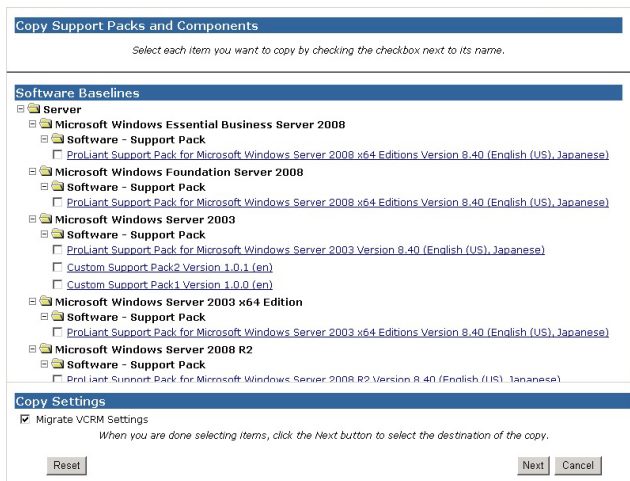
The HP Version Control Repository Manager (HP VCRM) enables you to copy the HP VCRM settings and migrate the data from one repository to another repository.

To copy the HP VCRM settings and migrate the data:

1. Click the **Catalog** tab. The **Catalog** page appears.
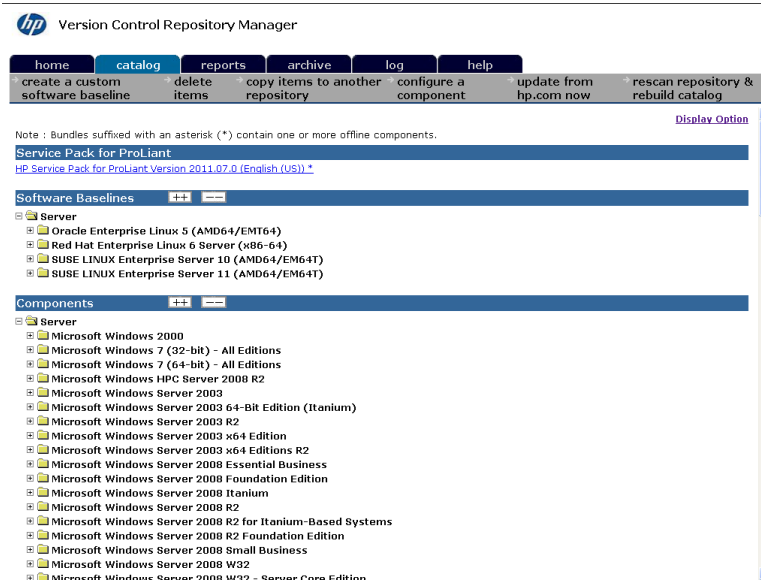
2. Click the **Copy Items to Another Repository** link. The **Copy Support Packs and Components** page appears.

3. Select the **Migrate HP Version Control Repository Manager Settings** checkbox. Click **Reset** to clear the selected checkbox or **Cancel** to abort the HP VCRM data migration operation.

4. Click **Next**.

   The **Destination Version Control Repository Manager** page appears.

   a. In the **Computer Name** field, enter the name of the computer to which the HP VCRM settings and data are to be copied.

   b. In the **Login** field, enter the login name.

   c. In the **Password** field, enter the password for the account you entered.

      Note: Step 4.b and Step 4.c are the login for the HP SMH system where the HP VCRM is located. You must login as **Administrator** or **Operator** to complete the **Copy** operation.

      NOTE: The username and password fields are filled automatically, if you select "Remember username and password" options in the Browser.

5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the Copy request.

6. Click **Close**. The **Catalog** page is refreshed. The repository from which the HP VCRM settings and data was copied, logs the success or failure of the copy operation.

Related topics

Catalog
Configuring component
Deleting items from the repository
Rescanning repository
Viewing specific custom software baseline

Rescanning repository

When the repository directory is updated manually, rescan the repository and rebuild the **Catalog** so the new files are displayed on the **Catalog** page.

NOTE: Rebuilding the **Catalog** can take several minutes, is resource intensive, and can result in degraded performance of the HP VCRM depending on the catalog size and system performance where the HP VCRM is installed.

To rescan the repository and rebuild the catalog:

1. Click the **Catalog** tab. The **Catalog** page appears.

2. Click the **Rescan repository and rebuild catalog** link. The **Confirm Rescan** dialog box appears.

3. Click **Cancel** to abort the rescan process. Click **Ok** to rescan the repository directory and rebuild the catalog. When the process is complete, the refreshed **Catalog** page appears.

Related topics

Updating repository immediately

The **Update Now** feature enables you to update the repository from http://www.hp.com/servers/swdrivers immediately without waiting for a scheduled update.

NOTE: An update takes several minutes to process, and should typically be used to update a repository that is already populated using the automatic update feature, scheduled for non-peak-time execution. If this task is used to perform an initial update it can take over one hour to complete, depending on the network connection, system performance, and the number of different operating systems required by HP VCAs which are configured to use the HP VCRM.

To update a repository immediately:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the **Update from hp.com Now** link. A message appears asking you to indicate whether you want to run an immediate update of the repository using any proxy settings configured for the automatic update.
3. Click **OK** to update the repository or **Cancel** to abort the operation. A message appears indicating an immediate update is started.
4. Click **OK** to start the update. The repository is updated.

    Note: The update results are displayed in the HP VCRM log.

Related topics

Deleting items from the repository

The HP Version Control Repository Manager (HP VCRM) enables you to delete selected Custom Software Baseline, HP Service Pack for ProLiant, and components (online and offline).

△ **CAUTION:** Deleting a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs or component is irreversible. Use this feature with caution. If you delete a file and want to recover it, you must use one of the manual methods to restore the component, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs to the repository.

CAUTION: The same file can appear in the catalog in multiple places if the component is applicable in more than one operating system or product family. Deleting any instance of the item from the catalog removes all occurrences because the underlying file is deleted.

NOTE: Deleting components or HP Service Pack for ProLiant, ProLiant and Integrity Support Packs erases the associated files from the repository directory. If you want to remove items from the HP VCRM catalog without deleting the files, first copy the files to a directory not managed by the HP VCRM.

NOTE: If you have the automatic download feature enabled and you delete files directly in the file system, they are downloaded again, so always delete them using the HP VCRM.

To delete a Custom Software Baselines, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, or component from the **Catalog** page:

1. Select the **Catalog** tab. The **Catalog** page appears.
2. Click the **Deleting items** link. The **Delete Support Packs and Components** page appears.
3. Select the Custom Software Baselines, HP Service Pack for ProLiant, ProLiant and Integrity Support Packs, and components to be deleted. Click **Next**. Click **Reset** to clear the current selections or **Cancel** to abort the Delete operation. The **Delete** page appears.
4. If desired, select **When deleting HP Service Pack for ProLiant, delete its components as well (unless the component is part of another HP Service Pack for ProLiant).**

   This option allows deletion of components contained in the selected HP Service Pack for ProLiant, ProLiant and Integrity Support Packs. The components are not to be deleted if they are part of another HP Service Pack for ProLiant, ProLiant and Integrity Support Packs.

   Note: If you have selected only one or more individual components, ignore this option.

5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the **Delete** operation. A page appears indicating whether the delete operation was successful.
6. Click **Close**. The **Catalog** page is refreshed.

Related topics

Catalog
Configuring component
Copying items to another repository
Rescanning repository
Viewing specific custom software baseline

Reports

The **Report** page displays the overall **Report Statistics** of all HP VCAs connected to the HP VCRM.

NOTE: This option is available on HP VCRM running on Windows systems only.

The following screen capture displays the **Report Statistics** and the **Pie Chart** as displayed on the **Report** page.
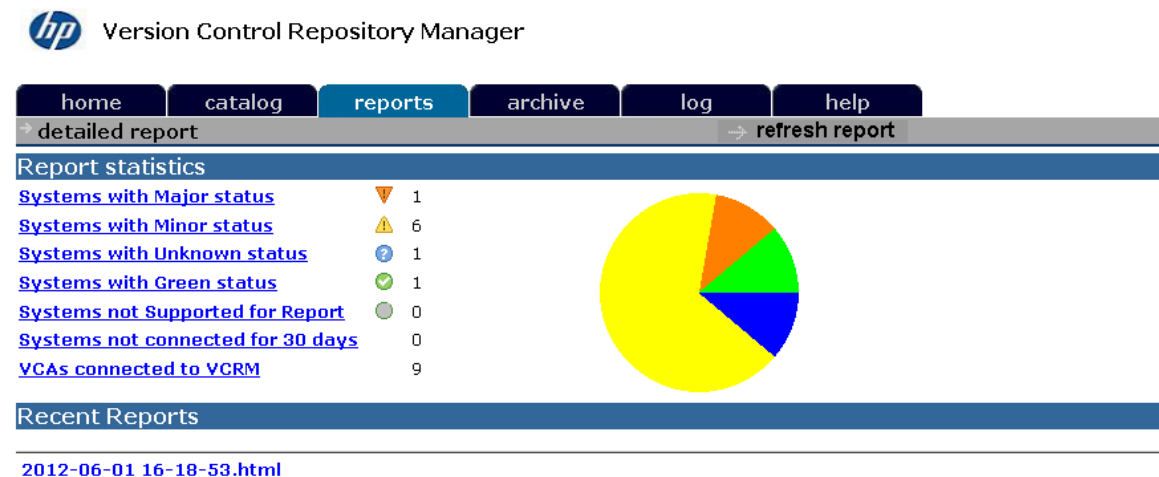
The report statistics provide a list of overall health status of all the HP VCAs connected to the HP VCRM. The different parameters listed are:

- **Systems with Major Status**: Provides the count for the number of HP VCA systems with major status. Click on the **Systems with Major Status** hyper link to view the consolidated details of

all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **Systems with Minor Status**: Provides the count for the number of HP VCA systems with minor status. Click on the **Systems with Minor Status** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **Systems with Unknown Status**: Provides the count for the number of HP VCA systems with unknown status. Click on the **Systems with Unknown Status** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **Systems with Green Status**: Provides the count for the number of HP VCA systems with Green status, that is, the system is operating under normal conditions. Click on the **Systems with Green Status** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **Systems not Supported for Report**: Provides the count for the number of HP VCA systems on which the reporting option is not available. Click on the **Systems not Supported for Report** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **Systems not Connected for 30 days**: Provides the count for the number of HP VCA systems which have not been connected to the HP VCRM for the last 30 days. Click on the **Systems not Connected for 30 days** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

- **HP VCAs connected to HP VCRM**: Provides the count of the total number of HP VCAs connected to the HP VCRM. Click on the **HP VCAs connected to HP VCRM** hyper link to view the consolidated details of all the HP VCA systems with the Server Name or IP address, Model Number, Last updated timestamp, Operating System, and Reference Support Pack information.

NOTE: The reporting option is available on HP VCA versions 6.2 and above.

NOTE: Reports are available and can be generated for the HP VCA systems which are connected to HP VCRM.

NOTE: Use the **Refresh** option to remove VCA systems that are not responding to VCRM from the report page.

NOTE: Use the **Delete** icon to remove the VCA entry from the report page.

Detailed Report of the all the HP VCA health status can be generated by clicking from the **Detailed Report** option on the **Report** page.

Related topics

Generating detailed report

Generating detailed report

Select the **Detailed Report** option available on the report page. The detailed report screen appears providing various parameters and options to generate a detailed report.

The **Detailed Report** page displays three major fields, with the option of customizing and selecting the options on these fields to generate a detailed report. The fields are:

- **System filter**: The system filter in-turn displays three fields which are **Operating System**, **Overall Software Status**, and **Model Number**, which provides options to customize and generate a detailed report.

  - **Operating System**: The **Operating System** field lists all the HP VCA operating systems connected to the HP VCRM.

  - **Overall Software Status**: The **Overall Software Status** field provides the list of the Overall Software Status icons, that is, Green, Major, Minor, and Unknown.

    By default, all the options are selected.

  - **Model Number**: The **Model Number** field provides the list of all the model numbers of the servers connected to the HP VCRM.

- **Inventory filter**: The **Inventory filter** displays the status of the inventory, that is, Green, Major, Minor, and Unknown.

  By default, all the options are selected.

- **Sort Options**: The **Sort Options** field provides the user with the option to sort the target systems by **Server name or IP**, **Operating System**, **Last update**, **Reference Support Pack**, and **Overall Software Status**.

  The sort options field in turn displays two fields, namely the primary and the secondary target system parameters. Both the primary and the secondary target system parameters field provides the following options:

  - **Server name or IP**

  - **Operating System**

  - **Last update**

  - **Reference Support Pack**

  - **Overall Software Status**

  Also, both the primary and the secondary target system parameters fields provide the option to select sort the target systems either by ascending order or descending order.

  The primary target system parameter field takes priority over the secondary target system parameter field.

Generating a detailed report

1. Select the systems running on operating system/s from the **operating system** list, the **System Status** and also the **Model Number**, for which you wish to generate the report.

2. Select the **Inventory filter** either **Green**, **Major**, **Minor**, or **Unknown** for which you want to generate a detailed report.

3. Select either ascending or descending order sort in the **System Name or IP** field and also select either ascending or descending order sort in the **Operating System** field.

4. Click **Generate** to generate the detailed report or **Cancel** to cancel the operation.

The report is generated and opens up in a new window.

NOTE: HP VCRM can save up to six last generated reports for viewing it later.

Related topics

Reports

Archive

The archive tab in HP VCRM provides you options to archive the software bundles and components.

The following functions can be performed on the **Archive** page:

- Archiving the baselined software bundles/components
- Restoring/Deleting the archived components
- Viewing log entry details

Related topics

Archiving the baselined software bundles/components
Restoring/Deleting the archived components

Archiving the baselined software bundles/components

The archive tab in HP VCRM provides you options to archive the software bundles and components (online and offline) that are not in use for a long time, which would otherwise degrade the performance of HP VCRM while scanning the repository folder. The **Archive** page lists all the software bundles and components that are available for archiving. The page also displays ProLiant Operating Environment .

The bundles containing an offline component is denoted with a " *" mark implying that the bundle contains an offline component.

NOTE: During the automatic download of components and the repository folder (HP VCRM) re-scan, the components/bundles that are archived are ignored.

The **Archive** page enables you to set the display options.

To set the display option on the Archive page, complete the following steps:

Setting the display option

1. Click **Display Option**, on the right of the **Archive** page. The **Display Option** window opens.
2. The **Display Option** window enables you to set the display option in the Main Group and the Sub Group fields.
3. Select the appropriate options in both Main Group and Sub Group.

   NOTE: The options under the Main Group and Sub Group are Operating System, Category, and Release Date.

   NOTE: The components are sorted based on the software key and the version under each Sub Group.

4. Click **Save** to save the option set or click **Cancel** to discard the options selected.

   NOTE: The default selection in the Main Group is Operating System, and the default selection in the Sub Group is Category.

The following screen capture displays the **Archive** page.
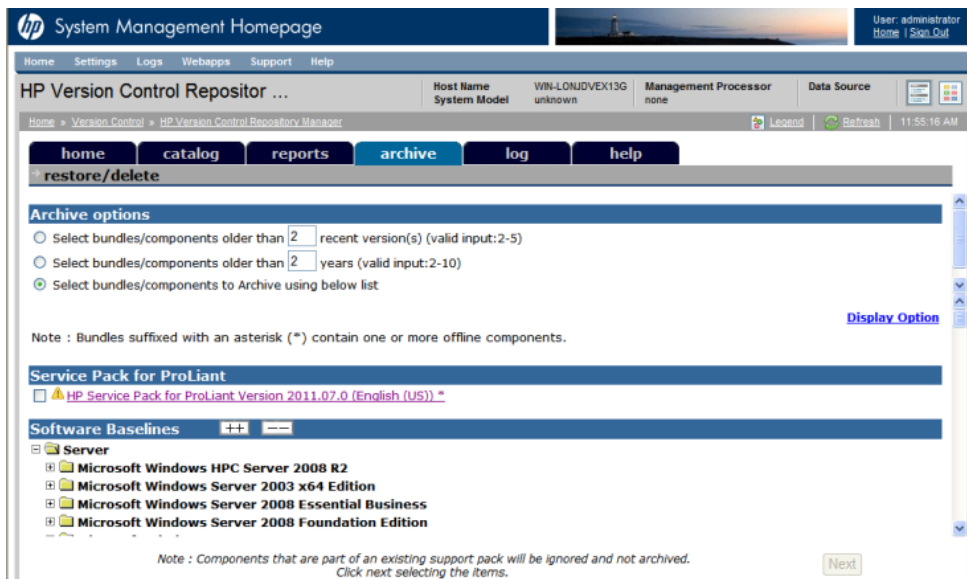
The **Archive Bundle** field on the **Archive** page provides the following options to select the software bundles and components for archival:

- **Select bundles/components older than __ recent version(s)**: When selected, selects all the bundles/components that are older than the number of recent versions (entered by the user) for archival.

    NOTE: The valid inputs for this option is 2 - 5 versions.

- **Select bundles/components older than __ years**: When selected, selects all the bundles/components that are older than two years from the current date.

    NOTE: The valid inputs for this option is 2 - 10 years.

Archiving the baselined software bundles/components:

1. Select either **Select bundles/components older than __ recent version(s)** or **Select bundles/components older than __ years** from **Archive Bundle** list by entering the valid number of versions or years respectively.

    NOTE: **Select bundles/components to Archive using below list** is the default selection in the **Archive Bundle** list.

2. The components are automatically selected per the selection on **Archive Bundle** field. You can manually select additional components as well. Click **Next**.
3. The **Archive** page appears listing the components which are selected in Step 2. Click **Finish** to complete archival or click **Back** to make any changes to the selection for archival.

    The archived results page appears displaying the archived files log, indicating the archival status of each of the components/bundle if **Finish** is selected in the **Archive** page.

Related topic

Archive
Restoring/Deleting the archived components

Restoring/Deleting the archived components

The **Restore/Delete HP Service Pack for ProLiant and Components** page provides options either to delete the software bundles/components from the archived directory or restore back to the respository directory.

The **Restore/Delete HP Service Pack for ProLiant and Components** page enables you to set the display options.

To set the display option on the **Restore/Delete HP Service Pack for ProLiant and Components** page, complete the following steps:

Setting the display option

1. Click **Display Option**, on the right of the **Restore/Delete HP Service Pack for ProLiant and Components** page. The **Display Option** window opens.
2. The **Display Option** window enables you to set the display option in the Main Group and the Sub Group fields.
3. Select the appropriate options in both Main Group and Sub Group.

    NOTE: The options under the Main Group and Sub Group are Operating System, Category, and Release Date.

    NOTE: The components are sorted based on the software key and the version under each Sub Group.

4. Click **Save** to save the option set or click **Cancel** to discard the options selected.

    NOTE: The default selection in the Main Group is Operating System, and the default selection in the Sub Group is Category.

The following screen capture displays the **Restore/Delete HP Service Pack for ProLiant and Components** page.
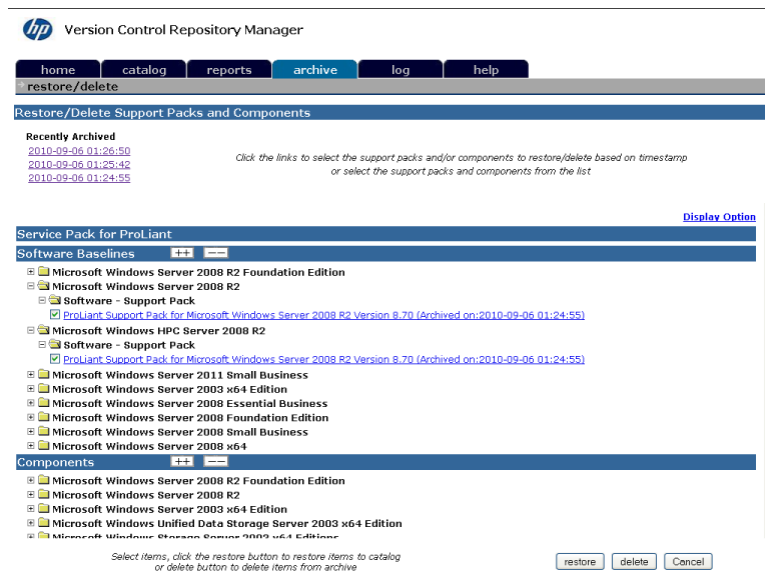
Restoring/Deleting the archived software bundles/components:

1. Select the software bundles/components for restoring/deleting on the **Restore/Delete HP Service Pack for ProLiant and Components** page, and click **Restore** to restore back to repository, **Delete** to delete permanently, or **Cancel** to cancel the operation.
2. The **Restore** page or the **Delete** page appears based on the selection in Step 1 listing the components which are selected in Step 1. Click **Finish** to complete restoration, or click **Back** to make any changes to the selection for Restore/Delete.

    The restored results page or deleted results page appears displaying the restored files log or deleted files log, indicating the restoration or deletion status of each of the components/bundle if **Finish** was selected in the **Restore/Delete** page.

Related topic

Help

The **Help** page provides help for the HP VCRM and the options available in HP VCRM .

To access HP VCRM help from HP SMH, complete the following steps:

1. Click **Help**.
2. Click the **HP VCRM Help** link.

Related Topics

Log

The **Log** page displays a log of all actions performed by the HP Version Control Repository Manager (HP VCRM).

The following functions can be performed:

- Viewing the log

- Viewing log entry details

- Viewing recently added HP Service Pack for ProLiant

- Viewing component details

- Clearing the log

- Changing log settings

Procedures

Viewing the log

To view the log, click the **Log** tab. The **Log** page appears.

The Log entries are displayed in three columns:

- **Severity**

  The status icons report the severity of an event.

  ○ **Informational** and **Normal** events are logged to confirm the internal event, such as startup, or the result of a successful task completion, such as a component install.

  ○ **Warning** events can indicate a condition that can mean a feature of the HP VCRM is not fully operational, such as an incorrect configuration.

- **Major** events are logged when a task or process fails. These events could indicate a problem with the HP VCRM but can also be caused by invalid input in a task or an external condition (such as a network problem), which can prevent a task from completing.

- **Critical** events indicate a failure and signal the need for immediate attention.

- **Date/Time**

  The date and time are recorded when an event has occurred. The time is converted to the local time at the user's browser so that it represents the actual time the event occurred, even if the server is in a different time zone.

- **Message**

  When additional information is available, a details link appears. Click the details link to display details. To view details of a specific event, click the details link associated with the message you want to view.

Related topics

Log
Changing log settings
Clearing the log
Viewing component details

Log status icons

The following icons tell you the overall software status in the repository, and details about the success of software download activity.

Status icons and definitions

The icons shown and defined indicate the overall software status in the repository and detail the success of software download activity.

Icon	Status
✖	Events of this type indicate a failure, signal the need for immediate attention, and are red in color.
▼	Events of this type indicate an impending failure and are orange in color.
⚠	Events of this type indicate a warning condition that might escalate into a more serious problem and are yellow in color.
✔	Events of this type are operating normally and are green in color.
ⓘ	Events of this type require no attention. They are provided as useful information and are blue in color.

Related topics

Home

Viewing log entry details

There are two types of links in log entries:

- Log entries for items that have been added to the catalog or existing catalog items that have been modified have the file name as a link to the details page for the item.

- Some log entries can have additional information and have a details link.

NOTE: All the user initiated tasks will have user ID in the details link.

NOTE: Most log entries do not have additional data, so they do not have a details link.

NOTE: Depending on the type of situation that caused a log entry to be written, detail information is written in the HP VCRMs local operating system language or the client browser's language setting, if detail information in that language is available. Changes to the browser language setting after the log entry is written do not change the displayed language of the detail information.

To view log entry details:
1. Click the **Log** tab. The **Log** page appears.
2. Click the details link associated with the log entry you want to view. The **Entry Details** page appears.

Related topics

Log
Changing log settings
Clearing the log

Changing log settings

The **Change Log Settings** option enables you to view and modify the configuration options of the HP Version Control Repository Manager (HP VCRM) log.

To change the log settings:
1. Click the **Log** tab. The **Log** page appears.
2. Click the **Change Log Settings** link. The **Log Settings** page appears.
   a. Select **Enable Log Aging** to automatically delete log entries after a specified number of days.
   b. In the **Days to Keep Entries** field, enter the number of days you want to elapse before deleting the log entries.

      Note: By default, log entries are kept for 90 days.

   c. In the **Choose the number of entries displayed on each log** field, select the number of log entries you want to be displayed on each log page from the dropdown menu.
3. Click **Finish**. Click **Reset** to clear the options or **Cancel** to abort the Log Settings configuration operation. A message appears indicating whether the Log was successfully cleared.
4. Click **Close**. The **Log** is refreshed.

Related topics

Clearing the log
Viewing the log

Clearing the log

If you are logged into the system with **Administrator** privileges, you can clear the Version Control Repository Manager Log.

To clear the log:
1. Click the **Log** tab. The **Log** page appears.
2. Click **Clear the Log**. The **Clear the Version Control Repository Manager Log** page appears.
3. In the **Text Save Option** section, select **Save Log Text** if you want to save the existing log entries in a text file for future reference.

4. Click **Clear** to clear the log. A message is displayed `The Version Control Repository Manager Log was successfully cleared` and also provides a link to save the log in a different path before closing.

   NOTE: The log gets saved at the default path `'system drive'`:`\hp\hpsmh\data\cgi-bin\vcrepository`.

5. To save the log message in a different path, click on **Click here** link. The **File Download** dialog box appears.
6. Click **Save**. The **Save As** dialog box appears. Navigate to the location where you want to save the text file, and click **Save**.
7. Click **Close**. The **Log** page is refreshed.

Related topics

Viewing the log
Viewing recently added HP Service Pack for ProLiant
Viewing log entry details
Configuring Internet Explorer settings

4 Troubleshooting

Access problems

After updating my Windows XP system with Service Pack 2, I am unable to access the Version Control Repository Manager. What happened?

- *Solution:* The Windows XP Service Pack 2 implements a software firewall that prevents browsers or other clients from accessing the ports required for access to the HP VCRMs. To resolve this issue, you must configure the firewall with exceptions to allow access through the ports used by Systems Insight Manager, HP VCA and other HP VCRMs.

HP recommends the following actions:

1. Select **Start→ Settings ⇒ Control Panel**.
2. Double-click **Windows Firewall** to configure the firewall settings.
3. Select **Exceptions**.
4. Click **Add Port**.

   You must enter the product name and the port number.

   Add the following exceptions to the firewall protection:

Product	Port Number
HP SMH Insecure Port:	2301
HP SMH Secure Port:	2381

   Note: For more information regarding Systems Insight Manage secure and insecure ports, refer to the *Systems Insight Manage User Guide, Troubleshooting, Login Problems* section.

5. Click **OK** to save your settings and close the **Add a Port** dialog box.
6. Click **OK** to save your settings and close the **Windows Firewall** dialog box.

This configuration leaves the default SP2 security enhancements in tact, but will allow traffic over the ports previously indicated. The secure and insecure ports must be added to enable proper communication from your browser and other clients that access the HP VCRM.

Browser problems

When I try to configure a component using the latest HP Service Pack for ProLiant, the component configuration wizard appears in my Mozilla browser with a screen that has all configuration screens included in one individual screen. I am unable to save any configuration, and a blank screen appears in the wizard when I click Save. Why is this happening?

Solution: The component configuration included in HP Service Pack for ProLiant and earlier might not succeed when using the Mozilla browser because there are dependencies contained in the component's configuration HTML.

To resolve this issue, use Internet Explorer 6.0 SP1 or later, or HP Smart Update Manager to configure components.

The Upload HP Service Pack for ProLiant task does not work. What is happening?

Solution: The browser settings to download and run ActiveX controls must be enabled for the **Upload HP Service Pack for ProLiant** task to work.

To configure the Microsoft Internet Explorer security settings

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click **Custom Level**. The **Security Settings** dialog box appears.

3. Under **ActiveX controls and plug-ins, Download signed ActiveX controls**, select **Enable**.
4. Under **Run ActiveX controls and plug-ins**, select **Enable**.
5. Under **Script ActiveX controls marked safe for scripting**, select **Enable**.
6. Click **OK** to save your settings. You are returned to the browser.

I am unable to use the Upload HP Service Pack for ProLiant feature with the Microsoft Internet Explorer version 9.0. What could be the reason?

Solution: The browser settings in the Internet Explorer version 9.0 must be configured to use the **Upload HP Service Pack for ProLiant** feature.

To configure the Microsoft Internet Explorer settings

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click the **Advanced** tab.
3. Scroll to **Security** and select **Allow active content to run in files on My Computer***.
4. Click **OK** to save your settings. Refresh the browser.

Catalog problems

When I copy the files from a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs into the repository manually, I might not see all of the new components listed on the Catalog page. What can I do to see these files?

Solution: When you copy files into the repository manually without using the HP VCRM, the repository might need to be rescanned and the catalog rebuilt. For more information regarding copying files into the repository manually, refer to the HP VCRM help files, *Updating the Repository Manually from the HP Service Pack for ProLiant.* For more information regarding rescanning the repository, refer to HP VCRM help files, *Rescanning the Repository and Rebuilding the Catalog.*

The rescan functionality does not seem to work on my HP VCRM. Why is this happening?

Solution: The rescan functionality does not work when the **Auto Update** is in progress. After the **Auto Update** is complete, the repository rescans itself, and all the components and Service Pack for ProLiant downloaded during the **Auto Update** are displayed in the catalog.

During the automatic update, I received the following error, `The automatic update failed because an error occurred while retrieving the download site catalog.` The error message referenced an error for the catalog.xml file and an error code 12007, 12015, and etc. What does this mean?

Solution: While the automatic update process was in progress, the HP VCRM was unable to connect to the website.

HP recommends the following actions:

• Verify that the hardware connection for the Internet is secure, for example, phone line or cable, to the machine where the HP VCRM is installed.

• Verify the domain name server (DNS) settings are correct.

• Verify that the proxy server, port, and proxy user authentication settings are correct.

After I use the 'Upload a HP Service Pack for ProLiant' feature, why are some of the new Support Packs marked invalid and other files missing, even though the upload appeared to complete successfully?

Solution: The upload completes after all files have been transferred from the local system to the HP VCRM. For performance reasons, transferred files are queued for cataloging as a separate activity at the HP VCRM server, meaning that upon completion of the upload, not all of the files will immediately appear in the catalog, and uploaded Support Packs may be marked as invalid until all files have been cataloged, usually within a few minutes.

Log problems

Why are there multiple log entries in the HP VCRM log about components being modified or added after a HP Service Pack for ProLiant, ProLiant and Integrity Support Packs is uploaded?

Solution: The HP VCRM logs the specific additions that it receives from the upload control, but it also monitors the repository directory as a separate activity. The operating system provides separate notifications about changes in the repository directory, and these can result in multiple log entries, which can be ignored.

The default Internet Explorer security settings prevent you from downloading the file.

*Solution:*To resolve this issue, HP recommends that you add the HP SMH URL to Internet Explorer's Trusted Sites.

To add the HP SMH to Internet Explorer's Trusted Sites:

1. From Internet Explorer, click **Tools→Internet Options**.
2. Click the **Security** tab. The Security tab appears.
3. Select the **Trusted sites** icon.
4. Click **Sites…**. The Trusted sites dialog box appears.
5. In the **Add this Web site to the zone** field, enter `https://<hostname>:2381/` and click **Add**.
6. Click **OK** to save your changes and close the Trusted sites dialog box.
7. Click **OK** to close the Internet Options dialog box.

Pre-configuration problems

I am unable to add a certificate to the HP SMH component when preconfiguring it in the HP VCRM or Systems Insight Manage. I receive the error Unable to Read the certificate file when I select a certificate using Browse.

Solution: By default, Internet Explorer security settings block some actions.

HP recommends the following actions:

1. Be sure the selected certificate file has at least *read* access.
2. From the system you are browsing from, add the HP VCRM system's URL to Internet Explorer's **Trusted Sites** list.

   To add the HP VCRM URL to Internet Explorer's Trusted Sites:
   1. From Internet Explorer, click **Tools→Internet Options**.
   2. Click the **Security** tab. The **Security** tab appears.
   3. Select the **Trusted sites** icon.
   4. Click **Sites…**. The Trusted sites dialog box appears.
   5. Click **Default** and be sure the **Security level for this zone** is set to **Low**.
   6. In the **Add this Web site to the zone** field, enter `https://<VCRMSystem>:2381` and click **Add**.
   7. Click **Close** to save your changes and close the Trusted sites dialog box.
   8. Click **OK** to close the **Internet Options** dialog box.
3. Start preconfiguring the HP SMH component.
4. When you select the certificate file using **Browse**, an Internet Explorer warning appears regarding ActiveX Controls. Click **Yes** to load the certificate file.

HP Service Pack for ProLiant Problems

Can I use the software or firmware criteria in Systems Insight Manage to tell which version of a HP Service Pack for ProLiant is installed?

Solution: Generally, HP Service Pack for ProLiant cannot be used for comparison when developing a software update search. However, if you must compare Service Pack for ProLiant, use the following guidelines to compare:

- The only comparison you can use with a HP Service Pack for ProLiant is **Equal To**.
- Systems Insight Manage cannot determine whether a HP Service Pack for ProLiant was installed on a system, only whether all of the components in a HP Service Pack for ProLiant are installed on a system. A targeted system is returned by a search that compares HP Service Pack for ProLiant, only if every component in the HP Service Pack for ProLiant is present on the targeted system.

It is unlikely that all of the components in a HP Service Pack for ProLiant will be installed on any system. This causes most searches that include HP Service Pack for ProLiant software criteria to return no systems.

After downloading the 6.40 HP Service Pack for ProLiant into my existing HP VCRM 1.0 directory, the catalog does not display the HP Service Pack for ProLiant, ProLiant and Integrity Support Packs Why doesn't this HP Service Pack for ProLiant display?

Solution: The 6.40 HP Service Pack for ProLiant does not work with HP VCRM 1.0. HP recommends that you install HP VCRM 2.0 or later.

Note: The installation of the HP VCRM 2.0 does not require a reboot.

I have the HP VCRM Auto Update feature configured to automatically download HP Service Pack for ProLiant, ProLiant and Integrity Support Packs and the HP VCRM states the updates have completed successfully. However, no files have been downloaded.

Solution: A log entry appears in the HP VCRM Log indicating *Automatic update downloaded 0 files. No HP VCAs have provided operating systems information to use as a download selection criteria.*

HP recommends the following actions:

- Configure HP VCRM and select operating system to download PSP.
- If the HP VCA is not installed on any system within the network, you must install the HP VCA on a system and configure the HP VCA to use the HP VCRM.
- If the HP VCA is installed on a system within the network, you must configure the HP VCA to use the HP VCRM.

Miscellaneous problems

Should the HP VCRM be installed before running Discovery in Systems Insight Manage, and if so, why?

Solution: While it is not essential, it is a good idea to install a HP VCRM before running Discovery. Be sure that this repository trusts Systems Insight Manage. Refer to *Setting up Trust Relationships* in the *Systems Insight Manage User Guide* for more information on trust relationships. It is a good idea to install a HP VCRM is so that the **Software Version Status Polling** task can properly sort the versions of software retrieved from systems. If you do not set up a repository before running Discovery, then the versions are sorted when a software criteria search is set up for the first time.

Why is it that when I search for systems with Foundation Agent's for Windows in Systems Insight Manage, I get only the Windows 2000 systems back and not Windows NT?

Solution: Even though you choose a component that is supported for both Windows NT and Windows 2000, the search only returns the systems that match the operating system tree from which you chose the component when you created the search. In this example, if you chose the Foundation Agent's for Windows from the Windows 2000 branch of the criteria tree, then only Windows 2000 systems are returned. If you want systems from both Windows 2000 and Windows NT, choose the Foundation Agent's for Windows from the Windows 2000 and Windows NT branch.

What capabilities do I get from the HP VCA alone?

Solution: The HP VCA provides a list of the HP Web-enabled System Management Software and firmware installed on the local server. For the HP VCA to provide version control and software distribution functionality, it must be configured to refer to a HP VCRM.

The HP VCA or HP VCRM display as links under the Integrated Agents list on the HP SMH, but the application is missing from the Version Control Repository Manager category on the HP SMH's Home tab, or the category does not display at all. When I click the link under the Integrated Agents, a page displays indicating `The application is not available.`

Solution: On Windows, the associated Windows service is stopped. You must restart the Version Control Agent or Version Control Repository Manager's Windows service on the server. If the service is not set for automatic startup, then configure the service to start automatically. If the service stopped unexpectedly, check the **Windows NT Event Log** as well as the application's log for additional information.

On Linux, the associated HP VCA daemon process is stopped, and the HP VCA daemon can be restarted by the **root** user running `/etc/init.d/hpvca restart`.

Windows events

The following table shows a listing of Windows 2000/Window NT events that are applicable to the Version Control Repository Manager.

Event ID	Facility	Severity	Text
4098	Application	Informational	HP VCRM failed to start.

Related topics

Catalog
Home
Log
Navigating the software

5 Support and other resources

Information to collect before contacting HP

Be sure to have the following information available before you contact HP:

- Software product name
- Hardware product model number
- Operating system type and version
- Applicable error message
- Third-party hardware or software
- Technical support registration number – (if applicable)

How to contact HP

Use the following methods to contact HP technical support:

- In the United States, see the Customer Service / Contact HP United States website for contact options:

  http://welcome.hp.com/country/us/en/contact_us.html

- In the United States, call 1-800-HP-INVENT (1-800-474-6836) to contact HP by telephone. This service is available 24 hours a day, 7 days a week. For continuous quality improvement, conversations might be recorded or monitored.
- In other locations, see the Contact HP Worldwide website for contact options:

  http://welcome.hp.com/country/us/en/wwcontact.html

Security bulletin and alert policy for non-HP owned software components

Open source software (such as OpenSSL) or third-party software (such as Java) are sometimes included in HP products. HP discloses that the non-HP owned software components listed in the Insight Management end user license agreement (EULA) are included with Insight Management. The EULA is included with the Insight Management Installer on Insight Management DVD #1.

HP addresses security bulletins for the software components listed in the EULA with the same level of support afforded HP products. HP is committed to reducing security defects and helping you mitigate the risks associated with security defects when they do occur.

When a security defect is found, HP has a well defined process that culminates with the publication of a security bulletin. The security bulletin provides you with a high level description of the problem and explains how to mitigate the security defect.

Subscription service

HP recommends that you register your product at the Subscriber's Choice for Business website:

http://www.hp.com/country/us/en/contact_us.html

After registering, you will receive email notification of product enhancements, new driver versions, firmware updates, and other product resources.

Registering for software technical support and update service

Insight Management includes one year of 24 x 7 HP Software Technical Support and Update Service. This service provides access to HP technical resources for assistance in resolving software implementation or operations problems.

The service also provides access to software updates and reference manuals in electronic form as they are made available from HP.

With this service, Insight Management customers benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information about this service, see the following website:

http://www.hp.com/services/insight

Registration for this service takes place following online redemption of the license certificate.

How to use your software technical support and update service

As HP releases updates to software, the latest versions of the software and documentation are made available to you. The Software Updates and Licensing portal gives you access to software, documentation and license updates for products on your HP software support agreement.

You can access this portal from the HP Support Center:

http://www.hp.com/go/hpsc

After creating your profile and linking your support agreements to your profile, see the Software Updates and Licensing portal at http://www.hp.com/go/hpsoftwareupdatesupport to obtain software, documentation, and license updates.

HP authorized resellers

For the name of the nearest HP authorized reseller, see the following sources:

- In the United States, see the HP U.S. service locator web site:

  http://www.hp.com/service_locator

- In other locations, see the Contact HP worldwide web site:

  http://www.hp.com/go/assistance

Typographic conventions

This document uses the following typographical conventions:

Book title	The title of a book. On the web, this can be a hyperlink to the book itself.
`Command`	A command name or command phrase, for example `ls -a`.
`Computer output`	Information displayed by the computer.
Ctrl+x or **Ctrl-x**	A key sequence that indicates you must hold down the keyboard key labeled **Ctrl** while you press the letter x.
`ENVIRONMENT VARIABLE`	The name of an environment variable, for example, `PATH`.
Key	The name of a keyboard key. **Return** and **Enter** both refer to the same key.
Term	A term or phrase that is defined in the body text of the document, not in a glossary.
User input	Indicates commands and text that you type exactly as shown.
find(1)	HP-UX manpage. In this example, "find" is the manpage name and "1" is the manpage section.
Replaceable	The name of a placeholder that you replace with an actual value.
[ ]	In command syntax statements, these characters enclose optional content.
{ }	In command syntax statements, these characters enclose required content.

|	The character that separates items in a linear list of choices.
...	Indicates that the preceding element can be repeated one or more times.
WARNING	An alert that calls attention to important information that, if not understood or followed, results in personal injury.
CAUTION	An alert that calls attention to important information that, if not understood or followed, results in data loss, data corruption, or damage to hardware or software.
IMPORTANT	An alert that calls attention to essential information.
NOTE	An alert that contains additional or supplementary information.
TIP	An alert that provides helpful information.

6 Documentation feedback

HP is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback **(docsfeedback@hp.com)**. Include the document title and part number, version number, or the URL when submitting your feedback.

Glossary

available software A listing of the software components available in the repository that the HP VCA has been configured to point to. When browsing directly into a HP VCA, these additional components can be selected for installation.

component A component is a single, self-describing, installable (interactive or silent) binary file containing a single piece of software, such as firmware image, driver, agent, or utility, that is supported by the management and update tools.

Custom Software Baseline A set of HP software components that have been bundled together as a baseline by the customer. Modifying the contents of an existing HP Service Pack for ProLiant provides customers with the flexibility to define their own baselines for their environment.

graphical user interface A program interface that takes advantage of the computer's graphics capabilities to make the program easier to use. Systems Insight Manager's GUI is Web-enabled and displays in a web browser.

HP Insight Management Agents A program that regularly gathers information or performs some other service without the user's immediate presence.

HP ProLiant and Integrity Support Packs A ProLiant and Integrity Support Packs, or Custom Software Baseline is a set of HP software components that have been bundled together by HP, and verified to work with a particular operating system. A HP Service Pack for ProLiant contains driver components, agent components, and application and utility components. All of these are verified to install together.

HP Service Pack for ProLiant HP Service Pack for ProLiant is an enhanced, re-packaging of ProLiant systems software and firmware products. It is based on the rich legacy of Windows and Linux ProLiant Support Packs (PSPs) and HP Smart Update Firmware DVD, found in the Insight Foundation suite for ProLiant. It is a comprehensive systems software and firmware release, which is offered as a tested solution on all ProLiant and BladeSystem servers.

HP System Management Homepage An integrated piece of software used by the HP suite of HP Web-enabled System Management Software to communicate over HTTP and HTTPS. It provides a uniform set of functionality and security to HP Web-enabled System Management Software.

HP Systems Insight Manager System management software that is capable of managing a wide variety of systems, including HP systems, clusters, desktops, workstations, and portables.

Systems Insight Manager combines the strengths of HP Insight Manager 7, HP Toptools, and HP Servicecontrol Manager to deliver a single tool for managing HP ProLiant, Integrity, and HP 9000 systems running Windows, Linux, and HP-UX. The core Systems Insight Manager software delivers the essential capabilities required to manage all HP server platforms. Systems Insight Manager can also be extended to deliver unparalleled breadth of system management with plug-ins for HP storage, power, client, and printer products. Plug-ins for rapid deployment, performance management, and workload management enable systems administrators to pick the value added software required to deliver complete lifecycle management of their hardware assets.

HP VCA log A listing of all the software maintenance tasks completed by the HP VCA and reports resulting from those tasks.

HP Version Control Agent An Insight Management Agents that is installed on a server to enable the customer to see the HP software that is installed on that server. The HP VCA can be configured to point to a repository being managed by the HP VCRM, enabling easy version comparison and software deployment from the repository to the server that the HP VCA is installed upon.

HP Version Control Repository Manager An Insight Management Agents that enables a customer to manage software from HP that is stored in a directory/repository known as the Version Control Repository.

HP Web-enabled System Management Software Software that manages HP Web-enabled products.

installed version A particular HP software component that is installed on the server on which the HP VCA is installed.

latest version	The latest version of a particular HP software component that is contained in the repository.
overall software status	This section indicates whether the software on the server on which the HP VCA is installed has any updates available within the repository in which it has been configured to monitor.
Red Hat Package Manager	The Red Hat Package Manager is a powerful package manager that can be used to build, install, query, verify, update, and uninstall individual software packages. A package consists of an archive of files and package information, including name, version, and description.
Reference Support Pack	A baseline bundle of HP software components that the HP VCA can be configured to point to in the repository. This setting enables users to indicate that they want to keep all of their software up to a certain HP Service Pack for ProLiant level.
Replicate Agent Settings	A tool that can be used to copy Web-based agent settings to a group of systems.
repository	A directory containing ProLiant and Integrity Support Packs and Smart Components.
Secure Task Execution	Secure execution of a task from a managed system. This feature of Systems Insight Manager ensures that the user requesting the task has the appropriate rights to perform the task, and encrypts the request to protect data from snooping.
Simple Network Management Protocol	One of the management protocols supported by Systems Insight Manager. Traditional management protocol used extensively by networking systems and most servers. MIB-2 is the standard information available consistently across all vendors.
single login	Permission granted to an authenticated user browsing to Systems Insight Manager to browse to any of the managed systems from within Systems Insight Manager without re-authenticating to the managed system. Systems Insight Manager is the initial point of authentication and browsing to another managed system must be from within Systems Insight Manager.
software inventory	A listing of the HP software installed on the system where the HP VCA is installed.
support pack version	A field that displays the version of a particular HP software component that is contained in the Reference Support Pack that the HP VCA has been configured to use as a baseline. There might be a later version than this available in the repository, but this is the latest version of this particular component in the Reference Support Pack.
version control	Referred to as the HP VCRM installed on a Windows system for Windows and Linux ProLiant systems, and Software Distributor on HP-UX operating systems. Provides an overview of the software status for all managed ProLiant or Integrity systems and can update system software and firmware on those systems programmatically using predetermined criteria. Version control identifies systems that are running out-of-date system software, indicates if an upgrade is available, and provides reasons for upgrading. For HP-UX systems, Software Distributor can be launched from an Systems Insight Manager CMS against one or more installed HP-UX systems.

Index